Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/07/2019 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/24/2019 12:37 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126276	1	1.16	126356	1.16
Blue	F	SSC	125000	124591	-1	1.48	125405	1.52
Blue	E	FITC	16122	15742	-3	2.66	344	20.16
Blue	D	PE	29316	29103	-1	1.84	636	14.79
Blue	B	PerCP-Cy5-5	42590	42161	-2	3.52	1136	20.14
Blue	A	PE-Cy7	33146	33507	1	5.95	639	39.96
Red	C	APC	45473	44706	-2	2.34	1580	12.02
Red	A	APC-Cy7	31961	30923	-4	2.33	815	12.19
Violet	B	V450	7914	7456	-6	4.85	417	13.67
Violet	A	V500	29769	28688	-4	4.72	668	10.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20999	2.86	608	8	N/A	N/A	Pass
Blue	F	SSC	56671	1.12	553	15	N/A	N/A	Pass
Blue	E	FITC	63	60.01	539	2	0.0185	43	Pass
Blue	D	PE	133	48.86	542	5	0.1525	237	Pass
Blue	B	PerCP-Cy5-5	208	49.42	646	8	0.0092	57	Pass
Blue	A	PE-Cy7	121	98.22	699	8	0.0114	16	Pass
Red	C	APC	376	25.50	585	6	0.0251	194	Pass
Red	A	APC-Cy7	179	28.66	561	5	0.0052	678	Pass
Violet	B	V450	64	60.23	463	3	0.0473	1957	Pass
Violet	A	V500	100	31.45	476	4	0.0216	395	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.54	-31.80	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	16.59	13.60 - 20.40	N/A	N/A	29.11	29.78	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 13174

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments